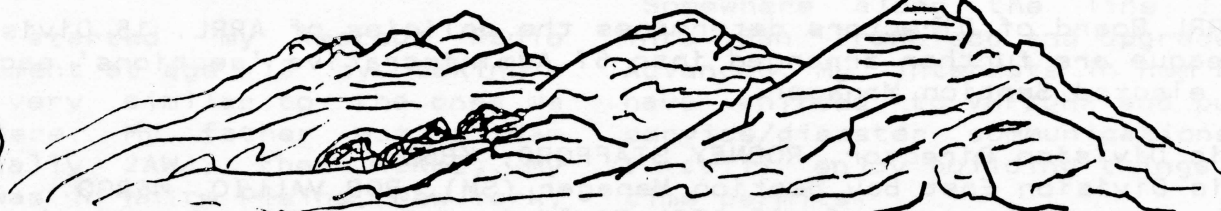


the CARRIER

W6CX



the MOUNT DIABLO AMATEUR RADIO CLUB

VOLUME XXXVI - ISSUE 9 - SEPTEMBER 1988

REPEATERS 147.06/+ 223.74/+ 441.325/+

ARRL-ARES-RACES EDITION

DO YOU KNOW THE STRUCTURE ? ARE YOU INVOLVED ?

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MDARC HAM RADIO SCHOOL
FALL CLASSES
By Jay Caldis, KT6Y
Education Chairman

THE MDARC FALL SESSION OF RADIO SCHOOL IS SCHEDULED FOR TEN WEEKS STARTING TUESDAYS, SEPTEMBER 13 THRU NOVEMBER 15, 1988 FROM 7:00 PM TO 9:00 PM AT COLLEGE PARK HIGH SCHOOL IN PLEASANT HILL.

NO PRE-REGISTRATION.
CLASSES - NOVICE THRU GENERAL

CLUB OFFICERS

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JAMES PERRY AA6CK

BOARD MEMBERS

JAY CALDIS KT6Y

JIM HOUSE KA6IVF

PUBLIC RELATIONS

CARSON TAYLOR K6TI

MEETING PLACE OF THE MT. DIABLO AMATEUR RADIO CLUB

GRACE PRESBYTERIAN CHURCH
2100 TICE VALLEY BOULEVARD
WALNUT CREEK

FOLLOW SIGNS IN WALNUT CREEK TO ROSSMOOR. CONTINUE NORTH ON TICE VALLEY BOULEVARD 1 BLOCK. CHURCH ON LEFT.

VISITORS ALWAYS
WELCOME

Via Packet

ARRL - ARES
THE STRUCTURE, POLICIES,
AND PERSONALITIES YOU SHOULD KNOW
By The Editor

The ARRL Board of Directors determines the policies of ARRL. 15 Divisions of the League are further arranged into 67 Administrative 'sections' each headed by an elected Section Manager.

Pacific Division Director, RODNEY STAFFORD, KB6ZV.

Pacific Division East Bay Section Manager (SM), BOB VALLIO, W6RGG.

The overall manager of all ARRL Field Organization activities in the section which includes emergency communications, message traffic, volunteer monitoring, affiliated clubs, public information, State government liaison, and on-the-air bulletins. Appoints assistants to administer the specialized functions above.

Section Emergency Coordinator (SEC), DWAYNE L. ESKRIDGE, W6LKE.

One SEC is appointed in each section whose duties are:

(1) Cooperation and coordination with the Section Traffic Manager so that emergency nets and traffic nets in the section provide a unified public service front, (2) maintain liaison with State Government, Public Information Officers, and appropriate leadership officials, (3) recommends candidates for EC and DEC appointments, (4) promote membership drives, meetings, activities, tests, procedures, etc., at section level, (5) maintains contact with other communication services and agencies.

District Emergency Coordinator (DEC), LARRY KAYE, W6CPO.

Appointed by the SEC to supervise a district of EC jurisdictional units whose duties are: (1) Coordinate the training, organization and emergency participation of ECs in the area of jurisdiction, (2) make local decisions in the absence of the SEC concerning the allotment of available amateurs and equipment during an emergency, (3) coordinate interrelationship between local emergency plans and networks, (4) act as a backup for local areas without an EC and assist in maintaining contact with governmental agencies in his jurisdiction, (5) provide direction in routing and handling of emergency communications with emphasis on Welfare traffic, (6) recommend EC appointments to the SEC, (7) is dedicated to the purpose, reliability and understanding of emergency communications.

Emergency Coordinators (EC):

Central Contra Costa County, JAMES HOUSE, KA6IVF

East Contra Costa County, WILLIAM VAN VOORHIS, WA6ZFZ

South Contra Costa County, CARSON TAYLOR, K6TI

West Contra Costa County, JAMES CROOKE, KB6JEC

E.C.'s are appointed to a specific area of jurisdiction by the SM or SEC and are RESPONSIBLE FOR ALL ARES ACTIVITY in their area. Appoints assistants as needed.

ARES members.....All Volunteers, the main resource and life blood of the unit. All of the training, planning and dedication is for nothing unless members are actively involved.

The Section Manager (SM) welcomes reports of club and individual activity. ARRL Field Organization appointments are available covering a wide range of Amateur Radio volunteer interests. Whatever your license class, your SM has an appointment available. (QST pg.8)

Editor: See biographical sketches of SEC Dwayne Eskridge, W6LKE, in the July Carrier, and DEC Larry Kaye, W6CPO, in this issue.!!

Via Packet

BIOGRAPHICAL SKETCH
LARRY KAYE, W6CPO, DEC
By Larry Kaye

I started my Amateur Radio involvement at age 13 by taking a course very similar to the ones we have here. My father was a Ham (originally 2AWJ, then W2KKE). My class was in White Plains, New York, about 30 miles north of New York City. When I received my Novice ticket I was amazed to discover that the call issued to me was KN2KYE! I don't know if it was pure chance or if someone at the FCC noticed the similarity of the call and my name (a friend of mine got KN2KYD). After working on my code and theory, I had to travel to New York City to take my general test at the FCC offices (no VEC system then!). I remained interested in Ham Radio through high school and college.

College was Rensselaer Polytechnic, in upstate New York, studying Electronics Engineering. While at school there I got a job at a local TV station running (actually, babysitting would be more accurate) the transmitter. This meant another trip to the FCC to get a First Class Radiotelephone license (another relic).

After graduating, I moved to Los Angeles to work for Hughes Aircraft in the space electronics group. Although I did not work on it, the lab next door was the one that designed the Surveyor Lunar Exploration spacecraft. While in L.A. I changed my call to W6CPO, back then one didn't keep a call from out of the area--a good idea. After a couple of years at Hughes, I moved to the Bay area, working for Systron Donner designing various RF test equipment. When I left there in 1980 I was in charge of the group designing microwave synthesizers.

I am presently Director of Engineering at Giga-Tronics, in Pleasant Hill. We design and manufacture a broad line of Signal

generators, all synthesized, and covering the frequency range of 10 MHz to 75 GHz.

Somewhere along the line I went into San Francisco and upgraded to Advanced. My interests in Ham Radio have shifted to VHF/UHF and public service/disaster communications but I still enjoy building things when time permits.

I have been the DISTRICT EMERGENCY COORDINATOR for Contra Costa County since 1983 and am currently the COUNTY RACES RADIO OFFICER.

SEMI-ANNUAL HAM RADIO AUCTION
ANNOUNCED BY CLUB AUCTION CHAIRMAN

Scott Thomas, N6LGB, Auction Chairman, announced another semi-annual auction to be held October 21, 1988, same time, same rules, same conditions as the April 15, 1988 auction.

The LOCATION of the auction will be announced in the next issue of this newsletter. Scott is negotiating for a larger place.

Doors will open at 6:00 for the entering and registration of auction merchandise ONLY. NO PREVIEWS BY BUYERS.

The doors will open for previews at 6:30 for the membership and buyers. The auction will begin at 7 P.M. ART MAYOFF, VE2AQV, (The Base Station) AUCTIONEER. Details, rules and registration forms next issue.

REMEMBER THE DATE. SAVE YOUR MONEY. MARK YOUR CALENDAR NOW!

OBFUSCATION OF A FEW CELEBRATED
ORACULAR UTTERANCES

SCINTILLATE, SCINTILLATE,
ASTEROID MINIFIC.

IT IS FRUITLESS TO BECOME LACRYMOSE
OVER PRECIPITOUSLY DEPARTED LACTEAL
FLUID.

Via Packet

AMATEUR RADIO AT THE COUNTY E.O.C.
(RACES)

Report #1

By Larry Kaye, W6CP0, DEC

The organization which directs much of the Disaster Preparedness Planning for the County is known as the 'Service Chiefs' (the County department heads). This group meets monthly, chaired by the County Administrator, Phil Batchelor. RACES has been represented for some time by either Dwayne (W6LKE) or myself, or both. It is through the actions of this group that much of the increased awareness of RACES has taken place. However, back to the subject.

The 'new' OES offices are located back on the site of the old building at 50 Glacier Drive. The newly remodeled and enlarged building is certainly an improvement! The actual EOC or situation room, is a large area at the south end of the building and has maps, status boards, telephones, and a few radios. It is anticipated that almost all radio traffic will be handled out of the operating centers for each department or by RACES from the building at 40 Glacier (next door). Message traffic from both the situation room and the resources room at the other end of the building will be conveyed to the message center which is in a room adjacent to the RACES operating area. The actual method of getting the written forms back and forth will be by runner or fax machine!

The County has spent considerable time, effort and money to strengthen its communications capabilities. In addition to the purchase of more radio equipment for health services and building inspection, they have added dedicated telephone lines (much less subject to outage) to key points and are installing an alternate telephone system on the

County owned microwave system.

RACES is presently very much in the County plan for disaster communications. We will provide communications from the EOC to many of the cities, assist in Health and Welfare traffic, link some of the operational command areas to the EOC as a secondary communications capability, and in general use our highly flexible operation where most needed. The Office of Emergency Services is purchasing two ATV receiving systems (antennas and converters) and one ATV transmitter. They have also purchased the materials for us to build the operating positions in the room we will be using in the Sheriff's building. Thanks to the efforts of Gordon Dean, KB6LGP, the work has been completed and we only need to install them.

The County is planning a full exercise in October, this to follow some formal training at the monthly meetings (Service Chiefs) and a 'table top' exercise in August. I also was given two copies of the County 'Multi-Hazard Functional Plan'. These are assigned to RACES. They are about 3" thick and describe a variety of possible disaster situations and the response plans for each. Not light reading, but if you are interested I will loan you one! We are written in, in numerous places (no, I have not read it all, I just knew where to look!)

IT IS FRUITLESS TO ATTEMPT TO
INDOCTRINATE A SUPERANNUATED CANINE
WITH INNOVATED MANEUVERS.

ALL ARTICLES THAT CORUSCATE WITH
RESPLENDENCE ARE NOT TRULY
AURIFEROUS.

ESCHEW THE IMPLEMENT OF CORRECTION
AND VITIATE THE SCION

Via Packet

R.A.C.E.S. AT COUNTY OES
Report #2
By Larry Kaye, W6CPO, DEC

Now that the County Office of Emergency Services has moved to its newly renovated facility on Glacier Drive, the RACES station is in the process of being installed in the adjacent Sheriff's Administration building. This location was chosen as it is in close proximity to both the message center and the future dispatch center. It also gives us ready access to the tower.

We will be located in the Training Office and will house our equipment in four cabinets which have fold-down fronts to serve as writing tables. These cabinets, thanks to the efforts of Gordon Dean (KB6LGP), are now completed and only need transport to be installed. Currently we have 2, 220, and 440 capability plus an independent packet station. The packet station uses a PC clone and is now running WORLI BBS software under the call W6CPO-2. You may check into it to get local ARES/RACES news etc. (144.99 MHz).

The OES has also purchased two ATV receive converters and a 440 ATV transmitter. One of the receivers will be in the situation room, the other will go to Public Works.

Over the last year the County has spent considerable time and money to upgrade its disaster preparedness. Much of this effort has been in the communications area. Amateur Radio, under the RACES organization, will have a significant role. Briefly, we will provide much of the communications from the County EOC to the various cities, handle Health and Welfare traffic and in general use our highly flexible system where needed. To be able to carry out these tasks we need to be strong and well trained. I would like to

encourage each of you to register and participate in as much of the training as you can. In time of disaster many of us will be unable to help, thus the need for a large, trained group.

PRESIDENTIAL QRM

By Vicki Zumwalt, N6KLS, President

Via Packet

For those of you who were not at the last meeting, you missed a very informative talk on earthquake preparedness from our own Larry Kaye. We appreciated his volunteering to talk and the brochures he handed out were full of valuable information. I am sorry to have missed his presentation. My thanks to V.P. Dick Brown who took over the presidential duties in my absence.

Glenn and I took a trip down to Visalia to pick-up our 55-foot crank-up tower. It is now home and we are in the process of digging a very big hole! Notice I said "WE", I really mean Glenn. I just give advice and check the progress on the hole each night.

I look forward to seeing you at our next meeting which will be September 16th. I am most anxious to hear Rod Stafford who will be our guest speaker. See you then and 73.
Vicki, N6KLS

PULCHRITUDE POSSESSES SOLELY
CUTANEOUS PROFUNDITY.

WHERE THERE ARE VISABLE VAPORS
HAVING THEIR PREVENIENCE IN
IGNITED CARBONACEOUS MATERIALS,
THERE IS CONFLAGRATION.

THE STYLUS IS MORE POTANT THAN
THE CLAYMORE.

MALE CADAVERS ARE INCAPABLE OF
YIELDING TESTAMONY.

Via
Packet

MEMBERSHIP CHANGES AND ADDITIONS

We welcome the following new members who joined MDARC in the past month:

BENNETT, Jim; N6PDX, Extra
2724 Buena Vista Ave.,
Walnut Creek, Ca 94596
415-944-9937(h) 415-835-3000(w)

BOWEN, Russ; KB6WZR, Technician
2189 Calgary Lane
Concord, Ca 94520
415-686-0311(h) 415-254-8651(w)

DOBZENSKY, Michael; WB6NVT, Extra
132 Rosemont Court
Walnut Creek, Ca 94596
415-932-0812(h)

LAMPHEAR, Zebulon; N6SIP, Advanced
4808 Eisenhower Way
Antioch, Ca 94509
415-257-3127(h)

NEEF, J. Vincent; SWL
2168 Rosekelly Drive
Concord, Ca 94519
415 687-2362(h) 415-823-1250(w)

PENN, David; KB6WAG, General
2236 Gehringer Drive
Concord, Ca 94520-1536
415-689-7268(h)

SGAMBATI, Bernie; KB6MTI, Technician
16711 March Creek Road, Sp.#72
Clayton, Ca 94517
415-757-5083(h) 415-337-2297(w)

WALTERS, Robert; W6LDS, Extra
1156 Running Springs Road
Walnut Creek, Ca 94596
415-934-9137(h)

WOOLF, Loren; N6AYU, Technician
4032 Cowell Road
Concord, Ca 94518
415-689-3690(h)

YATES, John; WB6EFD, General
3685 Rosebrook Court
Concord, Ca 94518
415-685-5545(h) 415-685-1060(w)

MDARC congratulates the following on their upgrades and new call signs:

BLENDERMAN, June; KB6WZE, Novice
SAGUN, Ross; KJ6FY, Advanced

Note the following address changes:

GANZ, Brian K. and Larry R.
1734 Elm Road, Concord, Ca. 94519
.contd.

SAGUN, Ross
865 Channing Circle
Benicia, Ca 94510
TORMEY, Peter
1455 Arnold #6
Martinez, Ca 94553

Please let us know of any call sign changes or upgrades, also of any changes in address or phone number.

F O R S A L E

Vertical HF trap antenna.

Telex Hygain 14AVQ/WB-S

Designed for 40,20,15,10 meters

SALE PRICE \$45, includes manual

Call Bill English 894-5057 days

254-6958 nights & weekends.

ANNUAL AUDIT REPORT DELAYED

President Vicki has requested notice be given to the membership of a delay in publishing the annual audit of the Club's financial status which was promised for this issue of the newsletter.

The next issue will contain the financial report, audit report, and comments by President Vicki.

HOT-RODS ARE HOT !

By the Editor

A telescopic antenna, sometimes referred to as a Hot-Rod, used under non-violent conditions, vastly improves the range and efficiency of your handheld.

The efficiency of your handheld depends on (1) how much antenna it has and (2) how good is the ground-plane. Most portables have very poor ground planes (the more metal the better).

To repeat, RANGE AND EFFICIENCY INCREASE DRAMATICALLY with the use of a telescoping antenna.


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*****
*
*           S I L E N T   K E Y S
*
*   DON BERTRAND           *           ROBERT BRUDER
*           *
*   N6EEQ                 *           KA6Q
*           *
*   MEMBER                 *           FORMER MEMBER
*           *
*****

```

CALLBOOK ADDRESSES AVAILABLE BY PACKET

If you don't have a callbook, or it's not up-to-date, you can get callbook addresses via packet.

The WA4ONG BBS system in Virginia is equipped to access the Buckmaster Publishing Co.'s. CD-ROM Call Directory and give addresses for U.S. Amateurs.

(1) Access WA4ONG through N6VV as follows:

(2) Connect to N6VV (or your own BBS) and at the command prompt type:

SP REQQTH @ WA4ONG (enter).

(3) At the subject prompt type:

WA6ABC @ N6VV

WA6ABC represents the call sign of the station of which you want the address, to be sent to N6VV (or your own BBS).

(4) Close with the usual (Ctr. Z) to save the message. The BBS will ask for the 'message'.

(5) Disregard and close again with (Ctr.Z). The address will be sent to your call sign @ N6VV (or your own BBS).

If you request more than one address, separate the call signs with commas, e.g. WA6ABC, WA6DEF @ N6VV. (Thanks to SARA)

The Mount Diablo Amateur Radio Club PROFILE

WHERE YOU CAN FIND US

By Dr. George Jones, KI6YK

Membership/Publications Chairman

Members of MDARC can be found on all of the amateur bands. From information received from 75% of our membership who told us about their operating frequency capabilities, they operate as follows:

HAM BAND	% OF MEMBERS USING	HAM BAND	% OF MEMBERS USING
160M	27	6M	7
80	62	2	91
40	69	220 MHz	36
20	61	440	37
15	64	33 cm	5
10	67	23 cm	3

MDARC MONTHLY MEETING MINUTES

19 August 1988

Vice Pres. Dick Brown called the meeting to order.

July minutes were approved by the members.

Treas. report was \$4530.16

Membership: 289 members

Field Day: the club received 5400 points, higher than last year.

Rod Stafford will talk on ARRL next month's meeting.

New Business: Membership approved \$60 so the club could subscribe to World Magazine.

Tom Chatognier, an Instructor at Diablo Valley College informed us classes would start for Analog Communications. For further info call him 685-1230.

Jim House has an up-dated list of ARES/RACES.

Larry Kaye W6CPO spoke of emergency preparedness and showed an earthquake emergency film. Very informative, something we should all be aware of.

Did you notice the club meeting was on ATV???

Respectfully submitted by,
Jane Walker N6NVA, Club Secretary

BOARD MEETING MINUTES

23 August 1988

ATTENDEES:

PRESIDENT	VICKI ZUMWALT	N6KLS
VICE PRES.	DICK BROWN	KT6X
SECRETARY	JANE WALKER	N6NVA
TREASURER	DICK SCHULZE	AA6DL
E.C.	JIM PERRY	AA6CK

BOARD MEMBERS:

	JAY CALDIS	KT6Y
	JIM HOUSE	KA6IVF
CARRIER EDITOR	S. CHRISTIAN	WU6P
MEMBERSHIP/PUBL.	GEO. JONES	KI6YK

Pres. Vicki Zumwalt N6KLS called the meeting to order.

The Board approved the minutes.

Next Board meeting 20 Sept. 1988 at Vicki Zumwalts home

Treas. Report \$4426.45

Audit in progress, look further in Carrier. *

Membership report: 291 members.

Education: Classes are starting 13 Sept. to 15 Nov. (10 wks),

Novice, Technician and General.

Stan Christian and Jim Perry are on the nominating committee.

Respectfully submitted,
Jane Walker, N6NVA
Secretary

* Editor's addendum:
See Page 6 concerning annual audit.

HOW IS YOUR RUBBER DUCK TODAY ?

By the Editor

Have you looked critically at your Helical Spring Antenna you call your Rubber Duck lately ?

Recent testing of 100+ rubber duck antennas on portable radios that were used frequently showed from slightly diminished efficiency to total failure. Most of the antennas appeared in good condition and showed little sign of wear, BUT, there was unseen wear under the rubber cover and top efficiency was long gone, and how would you know ?

You can detect an invisible RD failure by measuring the micro-volts with a calibrated receiver over a measured range, - a little difficult to do. Try a new one sometime. Maybe it needs replacing ?

THE SEBASTOPOL AMATEUR RADIO FLEA MARKET AND AUCTION WILL BE IN SANTA ROSA, SATURDAY, SEPTEMBER 17, 1988, AT THE NATIONAL GUARD ARMORY JUST OFF THE FREEWAY. TURN EAST ON STEELE LANE AND SOUTH ON ARMORY DRIVE. - 8AM TO 2PM - FREE ADMISSION, FREE PARKING-DOOR PRIZES. RADIO CLINIC.

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7

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TEN-TEC

GEOCHRON
GLOBAL
TIME
INDICATOR



YAESU



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Bob Ferrero W6RJ
President
Jim Rafferty N6RJ
VP So. Calif. Div.
Anaheim Mgr.

ANAHEIM, CA 92801
2620 W. La Palma
(714) 761-3033. (213) 860-2040
Between Disneyland &
Knott's Berry Farm

ATLANTA, GA 30340
6071 Buford Hwy.
(404) 263-0700
Larry, Mgr. W04AGW
Doraville, 1 mi. north of I-285

BURLINGAME, CA 94010
999 Howard Ave
(415) 342-5757
George, Mgr. WB6DSV
5 miles south on 101 from SFO

OAKLAND, CA 94606
2210 Livingston St.
(415) 534-5757
Al, Mgr. WA6SYK
17N-5th Ave /17S-16th Ave

PHOENIX, AZ 85015
1702 W. Camelback Rd.
(602) 242-3515
Bob, Mgr. K7RDH
East of Hwy 17

SAN DIEGO, CA 92123
5375 Kearny Villa Rd.
(619) 560-4900
Tom, Mgr. KM6K
Hwy 163 & Claremont Mesa Blvd

VAN NUYS, CA 91411
6265 Sepulveda Blvd
(818) 988-2212
Al, Mgr. K6YRA
San Diego Fwy
at Victory Blvd

STORE HOURS
10 AM-5:30 PM
CLOSED SUNDAYS



CALL TOLL FREE (800) 854-6046

Toll free including Hawaii. Phone Hrs: 7:00 am to 5:30 p.m. Pacific Time. California, Arizona and Georgia customers call or visit nearest store. California, Arizona and Georgia residents please add sales tax. Prices, specifications, descriptions subject to change without notice.



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B & W	NYE	HAM PUBLICATIONS
BEARCAT	REGENCY	2 MTR AMPLIFIERS
BENCHER	WELZ	METERS
BUTTERNUT	YAESU	SPEAKERS

1839 EAST STREET (across from Sattler's)
CONCORD, CA 94520 (415) 685-7388

Don't forget to renew your ARRL membership through the Club. Send us the card and money. We forward to the ARRL and get to keep \$2.00.

The CARRIER

From:
Mt. Diablo Amateur Radio Club, Inc.
P.O. Box 23222
Pleasant Hill, Calif. 94523

Affiliated with the ARRL
Affiliated with the American Red Cross

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